

Customer Responsibility Checklist

Required

- Pull all applicable permits
- Provide flat and level surface for fan and filtration unit and accessory items (e.g. concrete housekeeping pad)
- Provide enclosed shelter for fan and filtration unit (when required)
- Provide 3-phase power for central exhaust fan
- Provide disconnect box for exhaust fan within 5 ft. (1.5 m) of unit
- Provide 115V, 1-phase power for filtration unit cleaning controls within 5 ft. (1.5 m) of unit
- Provide 115V, 1-phase power for each arc sensor/lamp control box, (if system is so equipped)
- Provide compressed air connection within 5 ft. (1.5 m) of filtration unit (air must be clean, dry and oil-free)
- Preparation of site including removal of existing system (if applicable)
- Provide any building HVAC system components for installation
- Provide clean and unobstructed storage/staging area for equipment prior to and during installation
- Perform Pre-/Post- Industrial Hygiene Air Monitoring
- Obtain air permits (non-filtered systems)

Recommended

- Perform routine system maintenance and service
- Identify a project leader to oversee and coordinate the project management responsibilities



A Guide to the Installation of Custom Weld Fume Control Systems

This guide is intended to provide pertinent information to our customers to ensure timely and efficient installation of your weld fume control equipment. The below chart outlines three levels of services provided by Lincoln Electric®. Before equipment installation can occur, the customer/owner must comply with the electrical and building requirements listed in the sidebar. It is the responsibility of the customer/owner to have the requirements completed to specification prior to the installation of the weld fume control equipment.

Description	Level of Service ✓ = Provided by Lincoln Electric		
	Equipment Only*	Equipment and Drawings**	Equipment, Drawings, Installation**
Engineering Support via phone for Mechanical and Electrical Contractors	✓	✓	✓
System Commissioning - System start-up, airflow tuning and training of personnel on system operation	✓	✓	✓
Provide single copy of System Installation Manual	✓	✓	✓
Suggested duct sizes and equipment layout (basic line drawing or sketch); on request	✓		
Weld Fume Control System design intent layout with details in 2-D CAD, supplied in PDF format (PE stamps not provided)		✓	✓
Assemble and Install extraction devices, filtration unit, fan, silencer, controls, and welding booths			✓
Procurement and Installation of Duct and Ducting Materials (includes duct, hangers, stands, clean-out doors, removable caps at all terminal ends, and negative pressure relief doors per SMACNA industrial guidelines)			✓
Exhaust Gravity Damper (non-filtered systems)			✓
Wiring to connect electrical equipment to disconnect boxes			✓

*Standard on all quotes

**Additional cost

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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